

What is claimed is:

1. A method for forming gear pitches on a gear blank, comprising:
  2. providing a tap coupled to and acted upon by an actuator;
  3. providing a plurality of blanks, wherein each blank has a surface for threading and each blank is free from actuation, other than forces exerted by the tap;
  6. placing the blank surfaces facing each other for engagement with the tap;
  7. actuating the tap upon the blank surfaces; and
  8. forming threads on the blank surfaces.
1. 2. The method of claim 1 further comprising providing a holding member for passively holding the blanks.
1. 3. The method of claim 1 further comprising providing coolant to the blanks.
1. 4. The method of claim 1, wherein the blank surface is a partial-turn surface.
1. 5. The method of claim 4, wherein the partial-turn surface is a quarter-turn surface.
1. 6. The method of claim 1, wherein the set of blanks includes blanks being less than 360 degree turn blanks.
1. 7. The method of claim 1, wherein the set of blanks includes blanks being quarter-turn or 90 degree turn blanks.
1. 8. The method of claim 1, wherein the set of blanks comprises a set of two blanks.
1. 9. A system for forming gears using a tap comprising:
  2. a tap driver;
  3. a tap coupled to and driven by the tap driver; and

4           a plurality of gear blanks, wherein each blank has a surface disposed to be  
5           engagable by the tap for threading thereon; whereby gears are formed  
6           free from a hob and actuation on the gear blanks.

1       10. The system of claim 10 further comprising a holding member wherein the set of blanks is  
2           being held for engaging with the tap.